

Sheet _1 of 7

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ATTY. DOCKET: 17672 (BOT)	SERIAL NO.: 10/814,764
APPLICANT: ERIC R. FIRST	TITLE: PRESSURE SORE TREATMENT
FILING DATE: March 30, 2004	GROUP: 1645

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE (if applicable)
IAH	AA	2003/0224019	12/04/2003	O'Brien	424	239.1	0
1221	AB	2004/0009180	01/15/2004	Donovan	424	184.1	
V	AC	5,437,291	08/01/1995	Pasricha et al.	128	898	1
	AD	5,670,484	09/23/1997	Binder	514	14	1
	AE	5,714,468	02/03/1998	Binder	514	14	
	AF	5,766,605	06/16/1998	Sanders et al.	424	239.1	
	AG	5,989,545	11/23/1999	Foster et al.	424	183.1	
	AH	6,063,768	05/16/2000	First	514	14	\
	AI _	6,139,845	10/31/2000	Donovan	424	236.1	
	AJ	6,299,893 B1	10/09/2001	Schwartz et al.	424	422	\
	AK	6,306,423 B1	10/23/2001	Donovan et al.	424	423	. \
	AL	6,312,708 B1	11/06/2001	Donovan	424	423	\
	AM	6,423,319 B1	07/23/2002	Brooks et al.	424	239.1	\
	AN	6,447,787	09/10/2002	Gassner et al.	424	247.1	
	AO	6,458,365 B1	10/01/2002	Aoki et al.	424	239.1	
V	AP	6,464,986 B1	10/15/2002	Aoki et al.	424	239.1	

FOREIGN PATENT DOCUMENTS

0 0		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (yes/no)
1001	BA	WO 03/011333	02/13/03	PCT	A61K	39/10	Y

OTHER ART

(Including Author, Title, Date, Pertinent Pages, etc.)

180	CX	Andreadis S., et al., Keratinocyte growth factor induces hyperproliferation and
1/27/		delays differentiation in a skin equivalent model system, FASEB J. 2001
KI		Apr;15(6):898-906
	СВ	Aoki K., et al, Mechanisms of the antinociceptive effect of subcutaneous Botox:
2/		Inhibition of peripheral and central nociceptive processing, Cephalalgia 2003
	<u> </u>	Sep;23(7):649

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V	? \\ \c	Arredondo J., et al., Central role of alpha7 nicotinic receptor in differentiation of the stratified squamous epithelium, J Cell Biol. 2002 Oct 28;159(2):325-36
100	CD	Asahina A., et al., Specific induction of cAMP in Langerhans cells by calcitonin
	ļ	gene-related peptide: relevance to functional effects, Proc Natl Acad Sci U S A.
		1995 Aug 29;92(18):8323-7
	CE	Bigalke H., et al., Botulinum A Neurotoxin Inhibits Non-Cholinergic Synaptic
1	ŀ	Transmission in Mouse Spinal Cord Neurons in Culture, Brain Research 360;318-
		324:1985
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l j	-	of Various Transmitters, as Studied with Particulate Preparations From Rat Brain
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	CG	Binz T., et al., The Complete Sequence of Botulinum Neurotoxin Type A and
		Comparison with Other Clostridial Neurotoxins, J Biological Chemistry
		265(16);9153-9158:1990
	СН	Blugerman G., et al., Multiple eccrine hidrocystomas: A new therapeutic option with
		botulinum toxin, Dermatol Surg 2003 May;29(5):557-9
	ĊI	Borodic, Gary E., et al., Pharmacolo and Histology of the Therapeutic Application
		of Botulinum Toxin, from Therapy with Botulinum Toxin, Ed. Jankovic J. et al.,
		Marcel Dekker, Inc., (1994), page 150
	C1	Brem, H., et al, Placebo-Controlled Trial of Safety and Efficacy of Intraoperative
		Controlled Delivery by Biodegradable Polymers of Chemotherapy for Recurrent
		Gliomas, Lancet 345;1008-1012:1995
	СК	Bushara K., Botulinum toxin and rhinorrhea, Otolaryngol Head Neck Surg
		1996;114(3):507
	CL	Chen W., et al., Trophic interactions between sensory nerves and their targets,
		Journal of Biomedical Science. 1999;6(2):79-85
	См	Chiang H-Y., et al., Regional difference in epidermal thinning after skin
		denervation, Exp Neurol 1998;154(1):137-45
	CN	Coffield J., et al., The Site and Action of Botulinum Neuro-Toxin, from Therapy with
<u>_</u>	-	Botulinum Toxin, Ed. Jankovic J. et al., Marcel Dekker, Inc., (1994), page 5
Į	CO	Dabrowski E., et al, Botulinum toxin as a novel treatment for self mutilation in
		Lesch-Nyhan syndrome, Ann Neurol 2002 Sep;52(3 Supp 1):S157
	1 CP	Fung L. K., et al., Pharmacokinetics of Interstitial Delivery of Carmustine 4-
		Hydroperoxycyclophosphamide and Paclitaxel From a Biodegradable Polymer
· ~		Implant in the Monkey Brain, Cancer Research 58;672-684:1998
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		CQ	Gonelle-Gispert, Carmen, et al., SNAP-25a and -25b Isoforms are Both Expressed
110	\mathcal{L}		in Insulin-Secreting Cells and Can Function in Insulin Secretion, Biochem J. (1999)
1 (1/	(108		339 (pt 1); pp. 159-65.
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1	CR	Grando S., Biological functions of keratinocyte cholinergic receptors, J Investig
Ì			Dermatol Symp Proc. 1997 Aug;2(1):41-8
		CS	Grando S., et al., Activation of keratinocyte nicotinic cholinergic receptors
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	1		Sep;107(3):412-8
		СТ	Grando S., et al., Human keratinocytes synthesize, secrete, and degrade
			acetylcholine J Invest Dermatol. 1993 Jul;101(1):32-6
		CU	Grando S., et al., Keratinocyte muscarinic acetylcholine receptors:
1 1			immunolocalization and partial characterization, J Invest Dermatol. 1995
1 /			Jan;104(1):95-100
		CV	Griffin John W., et al., Axonal Degeneration and Disorders of the Axonal
1			Cytoskeleton, The Axon, Ed. Waxman S., et al., New York: Oxford University
			Press, 1995; pp. 375-390.
		CW	Habermann E., et al., Tetanus Toxin and Botulinum A and C Neurotoxins Inhibit
} {			Noradrenaline Release From Cultured Mouse Brain, J Neurochem 51(2);522-
		·	527:1988
		CX	Habermann E., I-Labeled Neurotoxin from Clostridium Botulinum A: Preparation,
			Binding to Synaptosomes and Ascent to the Spinal Column, Naunyn-
			Schmiedeberg's Arch. Pharmacol. 1974; 281, pp. 47-56
		CY	Habermann E., Inhibition by Tetanus and Botulinum A Toxin of the release of
1			[3H]Noradrenaline and [3H]GABA From Rat Brain Homogenate, Experientia
			44;224-226:1988,
		CZ	Harrison's Principles of Internal Medicine (1998), edited by Anthony Fauci et al.,
			14th edition, published by McGraw Hill
	1	CAA	Heckmann M., et al., Botulinum toxin type A injection in the treatment of lichen
		<u> </u>	simplex: An open pilot study, J Am Acad Dermatol 2002 Apr;46(4):617-9
		CBB	Hokfelt T., Neuropeptides in perspective: The last ten years, Neuron 1991; 7: 867-
			879
		CCC	Hosoi J., et al., Regulation of Langerhans cell function by nerves containing
	11		calcitonin gene-related peptide, Nature. 1993 May 13;363(6425):159-63
4	$\sqrt{}$	CDD	Hsieh S., et al., Epidermal denervation and its effects on keratinocytes and
L		<u> </u>	Langerhans cells, J Neurocytol 1996;25:513-524

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	ODD 1	
120	CEE	Hsieh S., et al., Modulation of keratinocyte proliferation by skin innervation. Journal
120		of Investigative Dermatology, 1999;113(4):579-86
'(ÇFF	Hsieh S., et al., Pathology of nerve terminal degeneration in the skin, Journal of
		Neuropathology & Experimental Neurology. 2000;59(4):297-307
	CGG	Hsieh S., et al., Skin Innervation and Its Effects on the Epidermis, J Biomed Sci.
		1997;4(5):264-268
	СНН	Hsiung-F., et al., (2001) Quantitative pathology of cutaneous nerve terminal
		degeneration in the human skin, Acta Neuropathologica 102:455-461
	CII	Huang T., et al., Influence of cutaneous nerves on keratinocyte proliferation and
		epidermal thickness in mice, Neuroscience 94:965-973, 1999
	CII	Inaba N., et al., Capsaicin-induced calcitonin gene-related peptide release from
\		isolated rat stomach measured with a new chemiluminescent enzyme
		immunoassay, Jpn J Pharmacol. 1996 Nov;72(3):223-9
	CKK	Jacks L., et al., Idiopathic toe walking: Treatment with botulinum toxin A injection,
·		Dev Med Child Neurol 2002;44(Suppl 91):6
	CLL	Johnson M., Synaptic glutamate release by postnatal rat serotonergic neurons in
		microculture, Neuron 1994; 12: 433-442
\ \	СММ	Jost W., Ten years' experience with botulinum toxin in anal fissure, Int J Colorectal
\		Dis 2002 Sep;17(5):298-302
	CNN	Kaneko T., et al., Immunohistochemical demonstration of glutaminase in
		catecholaminergic and serotonergic neurons of rat brain, Brain Res. 1990; 507:
		141-154
	COO	Kasakov L., et al., Direct evidence for concomitant release of noradrenaline,
		adenosine 5'-triphosphate and neuropeptide Y from sympathetic nerve supplying
		the guinea-pig vas deferens. J. Auton. Nerv. Syst. 1988; 22: 75-82
	CPP	Katsambas A., et al., Cutaneous diseases of the foot: Unapproved treatments, Clin
/		Dermatol 2002 Nov-Dec;20(6):689-699
	CQQ	Ko M., et al., Cutaneous nerve degeneration induced by acrylamide in mice,
		Neuroscience Letters.(2000)293(3):195-8
	CRR	Komuves Laszlo et al., Epidermal expression of the full-length extracellular
		calcium-sensing receptor is required for normal keratinocyte differentiation, J. Cell
		Physiol. 2002 Jul;192(1); pp. 45-54
V	CSS	Krnjevic K., Central cholinergic mechanisms and function. Prog Brain Res.
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120	CTT	Kupfermann I., Functional studies of cotransmission, Physiol. Rev. 1991; Vol. 71,
00		No. 3, July 1991; pp. 683-732.
-1	CUU	Lee M., et al., Clinical and electrophysiological characteristics of inflammatory
l /		demyelinating neuropathies, Acta Neurol Taiwan 1997;6:283-288
	CVV	Legat F., et al., Repeated subinflammatory ultraviolet B irradiation increases
		substance P and calcitonin gene-related peptide content and augments mustard
1	l	oil-induced neurogenic inflammation in the skin of rats, Neurosci Lett. 2002 Sep
		6;329(3):309-13
	CWW	
		foot glabrous skin, Exp Neurol 1997;147:452-462 (see page 459)
	CXX	Lin Y., et al., (2001) Cutaneous nerve terminal degeneration in painful
		mononeuropathy, Experimental Neurology, 170(2):290-6
	CYY	Lin Y., et al., Quantitative sensory testing: normative values and its application in
		diabetic neuropathy, Acta Neurol Taiwan 1998;7:176-184
	CZZ	Lundberg J., Pharmacology of cotransmission in the autonomic nervous system:
1 \		Integrative aspects on amines, neuropeptides, adenosine triphosphate, amino
		acids and nitric oxide, Pharmacol. Rev. 1996; 48: 113-178
	CAAA	Marchese-Ragona, Rosario, et al., Management of Parotid Sialocele with
		Botulinum Toxin, The Laryngoscope 109:1344-1346:1999
	СВВВ	McCarthy B., et al., Cutaneous innervation in sensory neuropathies: evaluation by
		skin biopsy, Neurol 1995;45:1848-1855
	cccc	Mov Disord, 10(3):376:1995
	CDDD	Moyer E. et al., Botulinum Toxin Type B: Experimental and Clinical Experience,
		being chapter 6, pages 71-85 of "Therapy With Botulinum Toxin", edited by
		Jankovic, J. et al. (1994), Marcel Dekker, Inc.
	CEEE	Naumann, Markus, et al., Botulinum Toxin Type A in the Treatment of Focal,
		Axillary and Palmar Hyperhidrosis and Other Hyperhidrotic Conditions, European
		J. Neurology 6 (Supp 4): S111-S1150:1999
	CFFF	Ndoye A., et al., Identification and mapping of keratinocyte muscarinic
1 /		acetylcholine receptor subtypes in human epidermis, J Invest Dermatol. 1998
		Sep;111(3):410-6
	CGGC	Nguyen V., et al., Keratinocyte acetylcholine receptors regulate cell adhesion Life
V		Sci. 2003 Mar 28;72(18-19):2081-5

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	CHHH Nguyen V., et al., Programmed cell death of keratinocytes culminates in apoptoti	
1		secretion of a humectant upon secretagogue action of acetylcholine J Cell Sci.
		2001 Mar;114(Pt 6):1189-204
V	Cili	Nicholas A., et al., Glutamate-like immunoreactivity in medulla oblongata
		catecholamine/substance P neurons, NeuroReport 1990; 1: 235-238
Nicholas A., et al., Serotonin-, Substance P- and Glutamae/Asp		Nicholas A., et al., Serotonin-, Substance P- and Glutamae/Aspartate-like
		Immunoreactivities in Medullo-Spinal Pathways of Rat and Primate, Neuroscience,
		Vol. 48, No. 3, pp. 545-559
	CKKK	Palacios J., et al., Cholinergic neuropharmacology: an update, Acta Psychiatr
		Scand Suppl. 1991;366:27-33
	CLLL	Pan C., et al., (2001) Degeneration of nociceptive nerve terminals in human
		peripheral neuropathy, Neuroreport. 12(4):787-92
	CMMN	Pearce L.B., Pharmacologic Characterization of Botulinum Toxin For Basic
		Science and Medicine, Toxicon 35(9);1373-1412 at 1393
	CNNN	Rogers J., et al., Injections of botulinum toxin A in foot dystonia, Neurology 1993
		Apr;43(4 Suppl 2)
	C000	Sanchez-Prieto J., et al., Botulinum Toxin A Blocks Glutamate Exocytosis From
		Guinea Pig Cerebral Cortical Synaptosomes, Eur J. Biochem 165;675-681:1897
	CPPP	Schantz E.J., et al, Properties and use of Botulinum toxin and Other Microbial
		Neurotoxins in Medicine, Microbiol Rev. 56;80-99:1992
	CQQQ	Sevim S., et al., Botulinum toxin-A therapy for palmar and plantar hyperhidrosis,
		Acta Neurol Belg 2002 Dec;102(4):167-70
	CRRR	Singh, Critical Aspects of Bacterial Protein Toxins, pages 63-84 (chapter 4) of
		Natural Toxins II, edited by B.R. Singh et al., Plenum Press, New York (1976)
	CSSS	Sloop, R. Richard, et al., Reconstituted Botulinum Toxin Type A Does Not Lose
\		Potency in Humans if it is Refrozen or Refrigerated for 2 Weeks Before Use,
		Neurology, 48:249-53:1997
	CTTT	Sneddon P., et al., Pharamcological evidence that adenosine triphosphate and
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/	CUUÜ	Suputtitada A., Local botulinum toxin type A injections in the treatment of spastic
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	CVVV	TVOIGANG CE AI, TVAANY-BONNINGBOOKS & ATON: I Harmacol. 1970, 202, 101-100
	CWW	Whitehouse 1., et al., Weethie and museanine chomorgic receptors in Alzhemier 3
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	CYYY	Xu Z-QD., et al., Galanin/GMAP- and NPY-like immunoreactivities in locus coeruleus and noradrenergic nerve terminals in the hippocampal formation and cortex with notes on the galanin-R1 and - R2 receptors, J. Comp. Neurol. 1998; 392: 227-252
		Xu Z-QD., et al., Galanin-5-hydroxytryptamine interactions: Electrophysiological, immunohistochemical and in situ hybridization studies on rat dorsal raphe neurons with a note on galanin R1 and R2 receptors. Neuroscience 1998; 87: 79-94
d	CAAA	Zia S., et al., Receptor-mediated inhibition of keratinocyte migration by nicotine involves modulations of calcium influx and intracellular concentration, J Pharmacol Exp Ther. 2000 Jun;293(3):973-81

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